

**MATERIAL SAFETY DATA SHEET**

MSDS

**Pool Time Algicide 50%**

Date-Issued: 04/04/2001  
MSDS Ref. No: RPTM23049  
Date-Revised: 11/08/2001  
Revision No: 1

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**1. PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** Pool Time Algicide 50%  
**GENERAL USE:** Algae Growth Depressant  
**CHEMICAL FAMILY:** Mixture

**MANUFACTURER**

Recreational Water Products

Pool Time

PO Box 887

Scottsdale, GA 30079

**Customer SERVICE:** (800) 949-7946**24 HR. EMERGENCY TELEPHONE NUMBERS****CHEMTREC (Transportation)** (800) 424-9300**Poison Control Center (Medical)** (877) 800-5553**COMMENTS:** EPA Registration Number: 6836-249-67262

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**2. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Chemical Name</u>	<u>CAS#</u>	<u>Wt. %</u>
N-alkyl (C12-18)-N,N,-dimethyl-N-benzylammonium chloride	68391-01-5	49.8
N,N-dialkyl (C12-18)-N-methyl-N-benzylammonium chloride	73049-75-9	0.2
Isopropyl alcohol	67-63-0	10

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**3. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW****PHYSICAL APPEARANCE:** Blue liquid.

**IMMEDIATE CONCERNS:** DANGER: Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed. Do not get in eyes, on skin or on clothing. Wear safety glasses when applying. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash clothing before reuse.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Causes eye irritation and burns which may result in permanent eye damage if not promptly treated. Avoid contact with eyes.

**SKIN:** Corrosive. Contact with skin causes skin irritation which may result in tissue burns if not removed promptly. Avoid contact with skin.

**INGESTION:** May be fatal if swallowed.

**INHALATION:** May be irritating to nose and throat. Avoid breathing vapors.

**CHRONIC:** There are no known chronic hazards.

**ROUTES OF ENTRY:** Skin Contact, Inhalation, Ingestion, Eye Contact.

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**4. FIRST AID MEASURES**

**EYES:** If in eyes: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

**SKIN:** If on skin: Wash with plenty of soap and water. If irritation develops, get medical attention.

**INGESTION:** If swallowed: Call a doctor or get medical attention. Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.

**INHALATION:** If inhaled: Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If not breathing, give artificial respiration. Call a physician immediately.

**NOTES TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shocks as well as oxygen and measures to support breathing manually or mechanically may be needed. If persistent, convulsions may be controlled by the cautious intravenous injection of a short-acting barbiturate drug.

## 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** 38°C (100°F) SETA Flash CC

**GENERAL HAZARD:** Products of combustion are toxic. Heated solvent vapors can travel to an ignition source and flash back.

**EXTINGUISHING MEDIA:** Water fog, carbon dioxide, dry chemical, or foam.

**FIRE FIGHTING EQUIPMENT:** Firefighters should wear full protective clothing and self contained breathing apparatus (SCBA). Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce toxic vapors/fumes of hydrogen chloride, amines and other organic materials, and oxides of carbon and nitrogen.

## 6. ACCIDENTAL RELEASE MEASURES

**GENERAL PROCEDURES: STEP TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Utilizing appropriate clothing and safety equipment, contain spill material. Cover the liquid with an inert absorbent. Using clean, dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean dry plastic containers for disposal. Dispose of according to local, state and federal regulations.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Avoid contact with eyes, skin or clothing. Avoid breathing vapors.

**HANDLING:** Mix only with water. Never add water to product. Always add product to large quantities of water. Do not mix with other chemicals. Use clean dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion.

**STORAGE:** Keep this product in original closed container when not in use. Store in a cool, dry, well ventilated area away from heat or open flame. Do not contaminate water, food or feed by storage or disposal. Do not store on side. Avoid creasing or impacting of side walls.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES:

#### OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

		<b>EXPOSURE LIMITS</b>					
		<b>OSHA PEL</b>		<b>ACGIH TLV</b>		<b>SUPPLIER OEL</b>	
		<b>ppm</b>	<b>mg/m<sup>3</sup></b>	<b>ppm</b>	<b>mg/m<sup>3</sup></b>	<b>ppm</b>	<b>mg/m<sup>3</sup></b>
N-alkyl (C12-18)-N,N,-dimethyl-N-benzylammonium chloride	<b>TWA</b>	N/E <sup>[1]</sup>		N/E			
N,N-dialkyl (C12-18)-N-methyl-N-benzylammonium chloride	<b>TWA</b>	N/E		N/E			
Isopropyl alcohol	<b>TWA</b>	400	983	400	983		
	<b>STEL</b>	500		500	1230		

#### OSHA TABLE COMMENTS:

1. N/E = Not Established

**ENGINEERING CONTROLS:** General room ventilation plus local exhaust should be used to maintain exposure below TLV.

### PERSONAL PROTECTIVE EQUIPMENT:

**EYES AND FACE:** Wear goggles or safety glasses with side shields when handling this product.

**SKIN:** Wear rubber gloves when handling this product. Avoid contact with skin.

**RESPIRATORY:** Respirator protection is not normally required under routine use conditions. If product is used in an area with poor ventilation or dust is expected, a respirator that meets OSHA/ANSI standards may be required.

**WORK HYGIENIC PRACTICES:** Remove and wash contaminated clothing before reuse.

**OTHER USE PRECAUTIONS:** Facilities storing or utilizing this material should be equipped with an eyewash and safety shower.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Almondy

**APPEARANCE:** Clear

**COLOR:** Blue

**pH:** 6.7 to 6.9

**VAPOR PRESSURE:** Not Determined

**VAPOR DENSITY:** Not Determined

**BOILING POINT:** Not Determined

**MELTING POINT:** Not Available

**SOLUBILITY IN WATER:** Miscible in Water

**SPECIFIC GRAVITY:** 0.96 (water=1)

**VISCOSITY:** <100cps

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## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Keep away from sparks and flames.

**STABILITY:** This product is stable under normal conditions.

**POLYMERIZATION:** Hazardous polymerization will not occur under normal conditions.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce toxic vapors/fumes of hydrogen chloride, amines and other organic materials, and oxides of carbon and nitrogen.

**INCOMPATIBLE MATERIALS:** Other swimming pool/spa chemicals in their concentrated forms. Oxidizing compounds.

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## 11. TOXICOLOGICAL INFORMATION

### ACUTE

**DERMAL LD<sub>50</sub>:** >2000 mg/kg of body weight in rabbits.

**ORAL LD<sub>50</sub>:** 515 mg/kg of body weight in rats

**EYE EFFECTS:** This product is corrosive to eyes.

**SKIN EFFECTS:** This product is corrosive to skin.

### CARCINOGENICITY:

This product is not listed as a carcinogen by IARC.

This product is not listed as a carcinogen by NTP.

This product is not listed as a carcinogen by OSHA.

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## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds or estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

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## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Pesticide wastes are toxic. Improper disposal of excess pesticide or rinsate is a violation of Federal Law.

If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance. Do not contaminate water, food, or feed by storage or disposal or cleaning of equipment. Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor. Contact with incompatible materials could cause a reaction or fire.

**PRODUCT DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray or mixture of rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA regional office for guidance.

**EMPTY CONTAINER:** Do not reuse empty container bottle. Wrap container and put in trash.

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## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Disinfectant, Liquid, Corrosive, N.O.S. (Contains Quaternary Ammonium Compound)

**PRIMARY HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** 1903

**PACKING GROUP:** II

**OTHER SHIPPING INFORMATION:** Limited Quantity

### CANADA TRANSPORT OF DANGEROUS GOODS

**PROPER SHIPPING NAME:** Disinfectant, Liquid, Corrosive, N.O.S. (Contains Quaternary Ammonium Compound)

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## 15. REGULATORY INFORMATION

### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

##### 311/312 HAZARD CATEGORIES:

**FIRE:** YES **PRESSURE GENERATING:** NO **REACTIVITY:** NO **ACUTE:** YES

**313 REPORTABLE INGREDIENTS:** This product or its components are not listed.

#### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

**CERCLA REGULATORY:** This product or its components are not listed.

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA REGULATORY:** This product contains the following chemicals substances subject to the reporting requirements of TSCA 12(b) one-time export notification substances (Section 4) if exported from the United States:

Isopropyl Alcohol CAS # 67-63-0

**TSCA STATUS:** This product or its components are listed on the TSCA Inventory.

**OSHA HAZARD COMM. RULE:** Product is hazardous by definition of the Hazardous Communication Standard.

**FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT):** This product is a registered pesticide.

### CLEAN AIR ACT

**40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION:** Isopropyl alcohol is subject to Clean Air Act Section 111 Volatile Organic Compounds.

**STATE REGULATIONS** This product or its constituents are not listed on the Massachusetts Right-To-Know Substance List, the New Jersey Right-To-Know Substance List, and the Pennsylvania Right-To-Know Hazardous Substance List.

**NOTICE:** This product contains benzene (100 ppm) (CAS # 71-43-2); benzyl chloride (100 ppm) (CAS # 100-44-7); N-nitrosodimethylamine (1 ppm) (CAS # 62-75-9); and propylene oxide (10 ppm) (CAS # 75-56-9), chemicals known to the State of California to cause cancer.

**NOTICE:** This product contains toluene (200 ppm) (CAS # 108-88-3), a chemical known to the State of California to cause

reproductive toxicity.

## 16. OTHER INFORMATION

**PREPARED BY:** Regulatory Affairs Department

**REVISION SUMMARY** Revision #: 1

This MSDS replaces the April 04, 2001 MSDS. Any changes in information are as follows:

In Section 1

MSDS Number

### HMIS RATING

HEALTH:		3
FIRE:		2
REACTIVITY:		0
PROTECTION:		

### NFPA RATING

HEALTH:	3
FIRE:	2
REACTIVITY:	0

Key

4 = Severe

3 = Serious

2 = Moderate

1 = Slight

0 = Minimal

**MANUFACTURER DISCLAIMER:** IMPORTANT: This information is given without a warranty or guarantee. No suggestions for use are intended or shall be construed as a recommendation to infringe any existing patents or violate any Federal, State or local laws. Safe handling and use is the responsibility of the customer. Read the label before using this product. This information is true and accurate to the best of our knowledge.